Please read this users manual carefully before using

Code		Spec
X (Bulb Type)	1	A19 Bulb
	3	R30 Bulb
Y (Light Color)	W	Warm White
	C	Cool White
Z (Cable Length)	Blank	With 5M Cable
	1	With 10M Cable

Application:

This product is a multi-function mini solar home lighting system. It is suitable for areas with plenty of sunshine and lack of electricity. It can be used as normal indoor lighting or for traveling, camping, outdoor work and other emergency lighting situations. It can also be used as a portable backup power / charger for mobile phones, camera, DV, MP3, MP4, PSP, iPod etc.

Specification:

Solar panel: 16.8V/5W/0.32A Max
Battery: 12/4AH Sealed Lead Acid rechargeable battery.
Lamp: 2 * DC 12V 3W super bright LED bulbs.
Lighting Time: 10-12 hours for 2 bulbs when the battery is fully charged.
Charging Time: First time use of the product, please fully charge the battery with the solar panel for 2-3 days continuously before using the light. Be sure the solar panel is exposed to direct sunlight during the charging time.

Notes:

a) The battery is shipped with a partial charge – Check with the battery power indicator.

b) Different latitude and different areas have different effective sunshine time each day. The charging time will vary accordingly; better sunshine areas achieve a better/quicker charging effect. The special solar panel does provide substantial charging even on cloudy days.

Package Contents:

The packing includes the following parts:

1 * 5W Solar panel with 5M or 10M Cable. With U-shaped mounting bracket.
1 * 12V 4AH battery pack.
2 * 3W super bright LED bulbs (Either A19 or R30 style).
2 * 5M or 10M cable with bulb holder, inline ON/OFF switch.
1 * User Manual.

Using the lights:

1. Install the solar panel on the roof or exposed place (fig.1) with the universal mounting bracket, Where it will get full or longest period of sunshine then mount the solar panel. There must be no obstacle/shadow over or around the solar panel.

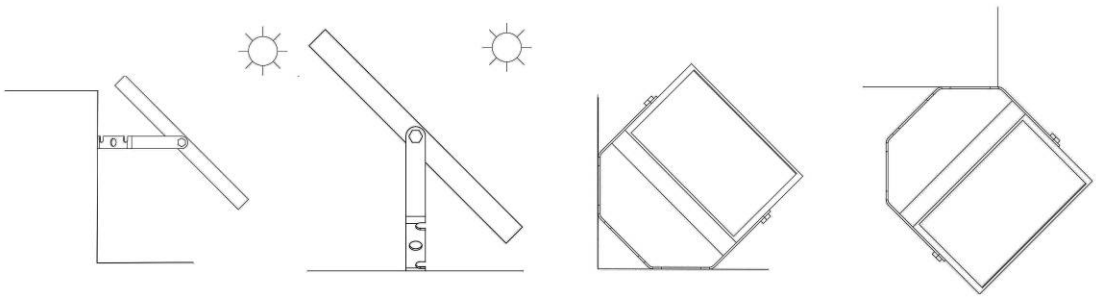

Fig.1

2. Plug the DC tip of the wire from solar panel into the port "SOLAR" on the battery pack (fig.2) and keep it connected continuously. The solar panel will charge even on cloudy days.
   - The Green LED marked "CHARGER" will be ON when charging.

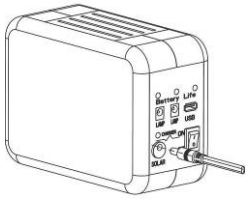

Fig.2

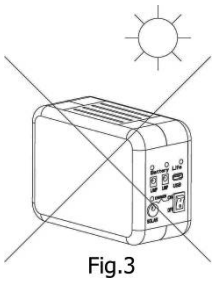

Fig.3

3. Important: Put the battery pack indoors. "Do not" put the battery pack outdoor in the sunlight (fig 3), otherwise it will be damaged

4. Fig 4. Screw the “mounting bracket” to the surface (step 1) then screw the “ceiling mount” to the mounting bracket (step 2). Screw the “LED bulbs” to the lamp holder (step 3)

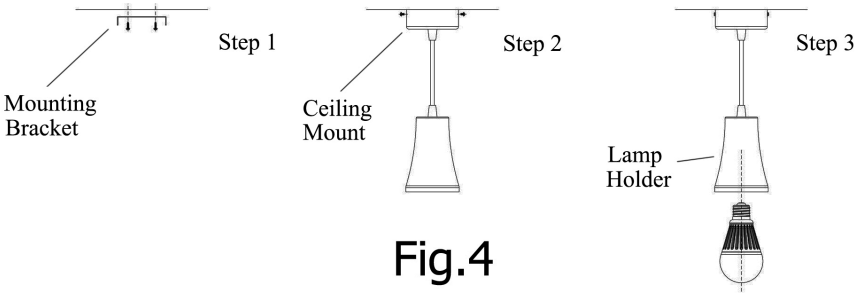

Fig.4

5. Plug the DC tip of the cable from light into one of the sockets marked “LAMP” on the battery pack. (fig 5)

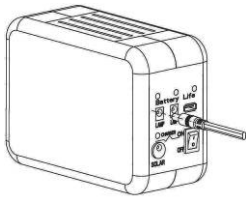

Fig.5

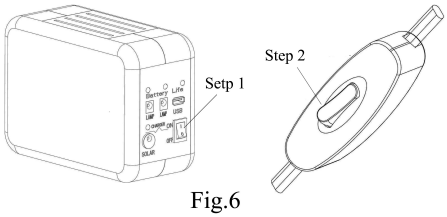

Fig.6

6. Fig.6. Turn ON the switch on the battery pack (step 1) and Turn ON the inline switch on the LED lamp cable (step 2) to make the lamp light up.

For Charging Mobile phone: (USB cable not included)

1. Turn ON the switch on the battery pack, and plug your USB cable into the “USB” port on the battery pack (fig.7)

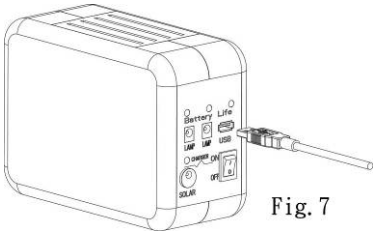

Fig. 7

Note: If you do not need to charge your mobile or use lighting Please turn off the switch on the battery pack, or it will Consume the power of the battery.

Battery power indicator:

1. The battery is shipped with a partial charge to allow for immediate use in event of emergency. The three green LEDs marked with “battery life” is to indicate battery power.

Note: 3 LEDs lit = Fully charged. 1 LED lit = low battery requires charging.

Tips/Troubleshooting:

1. If the LED bulbs do not light up, please make sure the LED bulbs are firmly screwed into the lamp holders.
2. If the connection is good, however the bulbs still does not light up, check to see if there is power from battery or if the battery need to be charged from solar panel.
3. Charge the battery from the solar panel daily to ensure battery power is sufficient.
4. If you do not need to use the lights or the USB, turn “OFF” the switch on the battery pack. Otherwise it will consume the power of battery.

Cautions / Warning:

1. Protect the battery pack from being dropped and do not expose the battery pack to intense sunlight.
2. Keep the battery pack away from water and fire.
3. Do not disassemble the battery pack.
4. Do not pull the solar panel cable hard, as it may damage the contacts.
6. Keep this product away from the reach of Children.